Lesson Plan: 18 Weeks (From January 2018 to April 2018)

Name of Assistant Professor: Ms. Shweta Dhawan

Class : B.Sc(IV sem)

Subject: Mathematics

Paper: Programming in C and Numerical Methods

	solution of algebraic and transcendental equations
oter 1	
x 1,Day 1 🛛 🗛	An introduction to algebraic and transcendental equations,
/2018	
x 1,Day 2 II	introduction to Numerical methods to find the solution of algebraic and transcendental
l/2018 e	equations
E tl	3olzano Bisection method and examples to find a real approximate root of a equation by using his method
x 1,Day 3 R	Regula falsi method and examples to find a real approximate root of a equation by using this
r/2018 n	nethod, the concept of order of convergence and the order of convergence of Regula falsi nethod
s 1,Day 4 S	Secant method and examples to find a real approximate root of a equation by using this method
/2018	
K 1,Day 5	Holiday
1 D (
1, Day 6	Newton Raphson method and examples to find a real approximate root of a equation by using
72018 u	
ξ Ζ	
< 2,Day 1 C	Order of convergence of Newton Raphson method
/2018	
x 2,Day 2 C	Comparison of all above iterative methods on the basis of order of convergence
/2018	
C 2,Day 3 E	Examples to find square root, cube root, pth root, reciprocal of a number using Newton
1/2018 R	Raphson method
(2,Day 4	Discussion on students problems regarding previous lectures
72018 z 2 Dev 5	Fact
1/2018	Test
$\frac{72018}{52}$ Day 6	obri Celebration
/2018	
x 3 C	Chapter 2 : Simultaneous linear algebraic equations
x 3,Day 1 In	introduction to simultaneous linear algebraic equations
/2018	
C 3,Day 2	Sauss elimination method and related examples
1/2018	Course londers method and valated overaging
(3, Day 3) G	Jauss Jordan method and related examples
$\frac{1}{2}$ $\frac{1}$	Friangularisation method and related examples
(2018)	nangula isation method and related examples
3.Day 5 T	Friangularisation method and related examplescontinued
c 1,Day 2 In ./2018 e	ntroduction to Numerical methods to find the solution of algebraic and transcendental quations Bolzano Bisection method and examples to find a real approximate root of a equation by using this method, the concept of order of convergence and the order of convergence of Regula falsi nethod because the order of convergence and the order of a equation by using this nethod and examples to find a real approximate root of a equation by using this method and examples to find a real approximate root of a equation by using this method becant method and examples to find a real approximate root of a equation by using this method loliday Vewton Raphson method and examples to find a real approximate root of a equation by using his method Drder of convergence of Newton Raphson method Comparison of all above iterative methods on the basis of order of convergence Examples to find square root, cube root , pth root , reciprocal of a number using Newton taphson method Discussion on students problems regarding previous lectures Fest Lohri Celebration Chapter 2 : Simultaneous linear algebraic equations Gauss elimination method and related examples Gauss lordan method and related examples Friangularisation method and related examples Friangularisation method and related examples Friangularisation method and related examples

19/01/2018	Crout 's methods and related examples
Week 3, Day 6	Crout 's methods and related examples
20/01/2018	
Week 4	
Week 4.Day 1	Holiday Basant Panchmi
22/01/2018	
Week 4 Day 2	Cholesky decomposition method and related examples
23/01/2018	
Week 4 Day 3	lacobi method and related examples
24/01/2018	
Week / Day /	lacobi method and related examples continued
25/01/2018	
Wook 4 Day 5	Gauss seidal method and related examples
26/01/2018	
20/01/2010 Weels 4 Day 6	Cause saidal method and related examples continued
Week 4, Day 0	Gauss selual method and related examplescontinued
27/01/2010 Weels 5	
week 5	
Week 5, Day 1	Relaxation method
29/01/2018	
Week 5, Day 2	Examples based on Relaxation method
30/01/2018	
Week 5, Day 3	RaviDas Jayanti
31/01/2018	
Week 5,Day 4	Examples based on Relaxation methodcontinued
01/02/2018	
Week 5,Day 5	Students problems on the above topics
02/02/2018	
Week 5,Day 6	Class Test
03/02/2018	
Week 6	Computers : A general introduction
Week 6,Day 1	Programmer model of a computer
05/02/2018	
Week 6,Day 2	Algorithms
06/02/2018	
Week 6, Day 3	Flow charts
07/02/2018	
Week 6,Day 4	Introduction to programming language C
08/02/2018	
Week 6, Day 5	C-character set, keywords, constant and its types, Escape sequence
09/02/2018	
Week 6, Day 6	Maharishi Dayanand Jyanti
10/02/2018	
Week 7	Data types

Week 7,Day 1 12/02/2018	Data typescontinued
Week 7,Day 2	Maha Shivratri
Week 7,Day 3	Printf statements, scanf statements, new line character
Week 7,Day 4	Operators and expressions
Week 7,Day 5 16/02/2018	Operators and expressionscontinued
Week 7,Day 6 17/02/2018	Operators and expressionscontinued
Week 8	
Week 8,Day 1 19/02/2018	Decision control structure
Week 8,Day 2 20/02/2018	Decision statements
Week 8,Day 3 21/02/2018	Logical statements
Week 8,Day 4 22/02/2018	Conditional statements
Week 8,Day 5 23/02/2018	Some C programs using above conditional statements
Week 8,Day 6 24/02/2018	Introduction of counter control and Sentinel controlled loops
Week 9	
Week 9,Day 1 26/02/2018	Loops continued
Week 9,Day 2 27/02/2018	Loops continued
Week 9,Day (3-6) (28/02/2018- 03/03/2018)	Holidays
Week 10	Some C programs using loops
Week 10,Day 1 05/03/2018	Functions
Week 10,Day 2 06/03/2018	Functions continued
Week 10,Day 3 07/03/2018	Local global variables
Week 10,Day 4 08/03/2018	Recursion
Week 10, Day 5 09/03/2018	Some C programs using functions
Week 10,Day 6 10/03/2018	Some C programs using functions

Week 11	
Week 11, Day 1	Preprocessors
12/03/2018	
Week 11, Day 2	Preprocessorscontinued
13/03/2018	
Week 11, Day 3	Arrays
14/03/2018	
Week 11.Day 4	One dimentional and two dimentional arrays
15/03/2018	
Week 11.Day 5	Declaration and initialization of array
16/03/2018	
Week 11.Day 6	Passing arrays to function
17/03/2018	
Week 12	
Week 12 Day 1	Some programs using arrays
19/03/2018	bonie programs using uruys
19/03/2010	
Week 12 Day 2	Strings
20/03/2018	Sumgs
20/03/2010	
Week 12 Day 3	String operators
21/03/2018	
21/03/2018	
Week 12 Day 1	Structure definition
22/02/2018	
22/03/2018	
Week 12 Day 5	Use of structure in arrays
23/03/2018	
23/03/2018	
Week 12 Day 6	Pointers
24/03/2018	
24/03/2018	
Week 13	
WEEK IJ	
Week 13 Day 1	Pointers and arrays Pointers and functions
26/03/2018	
20/03/2010	
Week 13 Day 2	Test
27/03/2018	
27/03/2018	
Wook 12 Day 2	Practicals
28/02/2018	Flacticals
20/03/2010	
Week 12 Dev 4	Ualiday
week 15,Day 4	Holiday
29/03/2018	
week 13, Day 3	Practicals
30/03/2018	

31/03/2018 Practicals Week 14 Practicals 02/04/2018 Practicals Week 14,Day 2 Practicals 03/04/2018 Practicals Week 14,Day 3 Practicals 03/04/2018 Practicals Week 14,Day 4 Practicals 03/04/2018 Practicals Week 14,Day 5 Practicals 05/04/2018 Practicals Week 14,Day 5 Practicals 06/04/2018 Practicals Week 15,Day 6 Practicals 09/04/2018 Practicals Week 15,Day 1 Practicals 09/04/2018 Practicals Week 15,Day 2 Practicals 10/04/2018 Practicals Week 15,Day 3 Practicals 11/04/2018 Practicals Week 15,Day 4 Practicals 12/04/2018 Practicals Week 16,Day 2 Practicals Week 16,Day 4 Practicals 17/04/2018 Practicals Week 16,Day 4 Practicals Week 16,Day 5 Practicals <tr< th=""><th>Week 13,Day 6</th><th>Practicals</th></tr<>	Week 13,Day 6	Practicals
Week 14PracticalsWeek 14,Day 1 02:04/2018PracticalsWeek 14,Day 2 03:04/2018PracticalsWeek 14,Day 3 04:04/2018PracticalsWeek 14,Day 4 Week 14,Day 5 05:04/2018PracticalsWeek 14,Day 5 Week 14,Day 6 07:04/2018PracticalsWeek 14,Day 6 Week 15,Day 1 09:04/2018PracticalsWeek 15,Day 1 10:04/2018PracticalsWeek 15,Day 2 10:04/2018PracticalsWeek 15,Day 3 11:04/2018PracticalsWeek 15,Day 4 12:04/2018PracticalsWeek 15,Day 5 11:04/2018PracticalsWeek 15,Day 6 11:04/2018PracticalsWeek 15,Day 7 11:04/2018PracticalsWeek 15,Day 4 12:04/2018PracticalsWeek 15,Day 5 13:04/2018PracticalsWeek 16,Day 6 14:04/2018PracticalsWeek 16,Day 7 10:04/2018PracticalsWeek 16,Day 4 14:04/2018PracticalsWeek 16,Day 4 14:04/2018PracticalsWeek 16,Day 4 Week 16,Day 5 17:04/2018PracticalsWeek 16,Day 4 Week 16,Day 4 Week 16,Day 5 Week 16,Day 5 Week 16,Day 5 PracticalsPracticalsWeek 16,Day 4 Week 16,Day 5 Week 16,Day 6 Week 16,Day 6 PracticalsPracticalsWeek 17Week 17PracticalsWeek 17Week 17Practicals	31/03/2018	
Week 14Week 14,Day 1 02/04/2018PracticalsWeek 14,Day 2 03/04/2018PracticalsWeek 14,Day 3 04/04/2018PracticalsWeek 4,Day 4 05/04/2018PracticalsWeek 4,Day 5 06/04/2018PracticalsWeek 14,Day 6 06/04/2018PracticalsWeek 14,Day 7 06/04/2018PracticalsWeek 14,Day 6 07/04/2018PracticalsWeek 15,Day 7 09/04/2018PracticalsWeek 15,Day 1 10/04/2018PracticalsWeek 15,Day 2 11/04/2018PracticalsWeek 15,Day 3 11/04/2018PracticalsWeek 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 Week 15,Day 6 13/04/2018PracticalsWeek 16,Day 1 Week 16,Day 1 16/04/2018PracticalsWeek 16,Day 3 Week 16,Day 3 Week 16,Day 4 PracticalsPracticalsWeek 16,Day 5 Week 16,Day 5 PracticalsPracticalsWeek 16,Day 6 Week 16,Day 6 Week 16,Day 6 Week 16,Day 7 PracticalsPracticalsWeek 16,Day 6 Week 16,Day 6 Week 16,Day 6 Week 16,Day 6 Week 16,Day 6 Week 16,Day 6 PracticalsPracticalsWeek 16,Day 6 Week 16,Day 6 Week 16,Day 6 Week 16,Day 6 Week 16,Day 6 Week 16,Day 6 PracticalsPracticalsWeek 17Week 17Week 17		
Week 14,Day 1 Practicals 02/04/2018 Practicals 03/04/2018 Practicals 03/04/2018 Practicals Week 14,Day 3 Practicals 04/04/2018 Practicals Week 4,Day 4 Practicals 05/04/2018 Practicals Week 4,Day 5 Practicals 06/04/2018 Practicals Week 14,Day 5 Practicals 07/04/2018 Practicals Week 15,Day 1 Practicals 09/04/2018 Practicals Week 15,Day 2 Practicals 00/04/2018 Practicals Week 15,Day 3 Practicals 1/04/2018 Practicals Week 15,Day 4 Practicals 1/04/2018 Practicals Week 15,Day 5 Practicals 1/04/2018 Practicals Week 16,Day 1 Practicals 1/04/2018 Practicals Week 16,Day 1 Practicals 1/04/2018 Practicals Week 16,Day 2 Practicals <td>Week 14</td> <td></td>	Week 14	
02/04/2018 Practicals Week 14,Day 2 Practicals 03/04/2018 Practicals Week 14,Day 3 Practicals 05/04/2018 Practicals Week 14,Day 4 Practicals 05/04/2018 Practicals 06/04/2018 Practicals 06/04/2018 Practicals 06/04/2018 Practicals Week 14,Day 5 Practicals 07/04/2018 Practicals Week 15,Day 1 Practicals 09/04/2018 Practicals Week 15,Day 2 Practicals 10/04/2018 Practicals Week 15,Day 4 Practicals 10/04/2018 Practicals Week 15,Day 4 Practicals 12/04/2018 Practicals Week 15,Day 5 Practicals 12/04/2018 Practicals Week 16 Practicals Week 16 Practicals Week 16,Day 1 Practicals 18/04/2018 Practicals Week 16,Day 2 Practicals 18/04/2018 Practicals Week 16,Day 3 Practicals 18/04/2018 Practicals Week 16,Day 4 Practicals 19/04/2018 Practicals <	Week 14,Day 1	Practicals
Week 14,Day 2 Practicals Week 14,Day 3 Practicals Week 14,Day 4 Practicals 05/04/2018 Practicals Week 14,Day 5 Practicals 06/04/2018 Practicals Week 14,Day 6 Practicals 07/04/2018 Practicals Week 14,Day 6 Practicals 07/04/2018 Practicals Week 15,Day 1 Practicals 09/04/2018 Practicals Week 15,Day 2 Practicals 10/04/2018 Practicals Week 15,Day 3 Practicals 11/04/2018 Practicals Week 15,Day 4 Practicals 12/04/2018 Practicals 13/04/2018 Practicals Week 16,Day 5 Practicals 13/04/2018 Practicals Week 16,Day 1 Practicals 16/04/2018 Practicals Week 16,Day 2 Practicals 18/04/2018 Practicals Week 16,Day 3 Practicals 18/04/2018 Practicals Week 16,Day 4 Practicals	02/04/2018	
Observed Practicals 04/04/2018 Practicals Week 14,Day 3 Practicals 06/04/2018 Practicals Week 14,Day 5 Practicals 06/04/2018 Practicals Week 14,Day 6 Practicals 07/04/2018 Practicals Week 15 Practicals 09/04/2018 Practicals Week 15,Day 1 Practicals 09/04/2018 Practicals Week 15,Day 2 Practicals 0/04/2018 Practicals Week 15,Day 3 Practicals 1/04/2018 Practicals Week 15,Day 4 Practicals 1/04/2018 Practicals 1/04/2018 Practicals Week 15,Day 5 Practicals 1/04/2018 Practicals Week 15,Day 6 Baisakhi ,Ambedkar jayanti 1/04/2018 Practicals Week 16 Practicals 1/04/2018 Practicals Week 16,Day 1 Practicals 1/04/2018 Practicals Week 16,Day 2 Practicals	Week 14,Day 2 03/04/2018	Practicals
04/04/2018 Practicals Week 4,Day 4 Practicals 05/04/2018 Practicals Week 14,Day 5 Practicals 06/04/2018 Practicals Week 14,Day 6 Practicals 07/04/2018 Practicals Week 15 Practicals Week 15,Day 1 Practicals 00/04/2018 Practicals Week 15,Day 2 Practicals 10/04/2018 Practicals Week 15,Day 3 Practicals 11/04/2018 Practicals Week 15,Day 4 Practicals 12/04/2018 Practicals Week 15,Day 5 Practicals 13/04/2018 Practicals Week 15,Day 6 Baisakhi ,Ambedkar jayanti 14/04/2018 Practicals Week 16 Practicals 16/04/2018 Practicals Week 16,Day 1 Practicals 17/04/2018 Practicals Week 16,Day 2 Practicals 19/04/2018 Practicals Week 16,Day 4 Practicals 19/04/2018 Practicals	Week 14.Day 3	Practicals
Week 4,Day 4 Practicals 05/04/2018 Practicals Week 14,Day 5 Practicals 0/04/2018 Practicals Week 14,Day 6 Practicals 0/04/2018 Practicals Week 15 Practicals 0/04/2018 Practicals Week 15,Day 1 Practicals 0/04/2018 Practicals Week 15,Day 2 Practicals 10/04/2018 Practicals Week 15,Day 3 Practicals 11/04/2018 Practicals Week 15,Day 4 Practicals 12/04/2018 Practicals Week 15,Day 5 Practicals 13/04/2018 Practicals Week 16,Day 1 Practicals 16/04/2018 Practicals Week 16,Day 1 Practicals 17/04/2018 Practicals Week 16,Day 2 Practicals 18/04/2018 Practicals Week 16,Day 3 Practicals 19/04/2018 Practicals Week 16,Day 4 Practicals 19/04/2018 Practicals	04/04/2018	
05/04/2018 Practicals Week 14,Day 5 Practicals 07/04/2018 Practicals Week 14,Day 6 Practicals 07/04/2018 Practicals Week 15 Practicals 09/04/2018 Practicals Week 15,Day 1 Practicals 09/04/2018 Practicals Week 15,Day 2 Practicals 1/04/2018 Practicals Week 15,Day 3 Practicals 1/04/2018 Practicals Week 15,Day 4 Practicals 1/204/2018 Practicals Week 15,Day 5 Practicals 1/204/2018 Baisakhi ,Ambedkar jayanti Week 16,Day 1 Practicals 1/204/2018 Practicals Week 16,Day 2 Practicals 1/204/2018 Practicals Week 16,Day 3 Practicals 1/204/2018 Practicals Week 16,Day 4 Practicals 1/204/2018 Practicals Week 16,Day 4 Practicals 1/204/2018 Practicals Week 16,Day 4 Practicals </td <td>Week 4, Day 4</td> <td>Practicals</td>	Week 4, Day 4	Practicals
Week 14,Day 5 Practicals Week 14,Day 6 Practicals 07/04/2018 Practicals Week 15 Practicals 09/04/2018 Practicals Week 15,Day 1 Practicals 09/04/2018 Practicals Week 15,Day 3 Practicals 10/04/2018 Practicals Week 15,Day 3 Practicals 11/04/2018 Practicals Week 15,Day 4 Practicals 12/04/2018 Practicals Week 15,Day 5 Practicals 13/04/2018 Baisakhi ,Ambedkar jayanti Week 16,Day 1 Practicals 16/04/2018 Practicals Week 16,Day 1 Practicals 17/04/2018 Practicals Week 16,Day 2 Practicals 18/04/2018 Practicals Week 16,Day 3 Practicals 18/04/2018 Practicals Week 16,Day 4 Practicals 19/04/2018 Practicals Week 16,Day 4 Practicals 19/04/2018 Practicals 20/04/2018 Practicals	05/04/2018 Week 14 Dev 5	Dreaticals
Week 14,Day 6 07/04/2018PracticalsWeek 15Week 15,Day 1 09/04/2018PracticalsWeek 15,Day 2 10/04/2018PracticalsWeek 15,Day 3 11/04/2018PracticalsWeek 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 12/04/2018PracticalsWeek 15,Day 6 	06/04/2018	Flacticals
07/04/2018Week 15Week 15,Day 1 09/04/2018Practicals00/04/2018Week 15,Day 2 10/04/2018Practicals11/04/2018Week 15,Day 3 12/04/2018PracticalsWeek 15,Day 4 12/04/2018Practicals12/04/2018Week 15,Day 5 13/04/2018Practicals13/04/2018Week 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayanti14/04/2018Week 16Week 16,Day 1 16/04/2018Practicals17/04/2018Week 16,Day 2 19/04/2018Practicals18/04/2018Week 16,Day 3 19/04/2018Practicals10/04/2018Week 16,Day 4 19/04/2018Practicals12/04/2018Week 16,Day 5 20/04/2018Practicals20/04/2018Week 16,Day 5 20/04/2018Week 16,Day 6 20/04/2018Practicals20/04/2018Week 16,Day 6 20/04/2018Week 17	Week 14,Day 6	Practicals
Week 15PracticalsWeek 15,Day 1 09/04/2018PracticalsWeek 15,Day 2 10/04/2018PracticalsWeek 15,Day 3 11/04/2018PracticalsWeek 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 19/04/2018PracticalsWeek 16,Day 3 19/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 19/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 20/04/2018PracticalsWeek 16,Day 7 20/04/2018PracticalsWeek 16,Day 6 20/04/2018PracticalsWeek 16,Day 7 20/04/2018PracticalsWeek 16,Day 6 20/04/2018PracticalsWeek 16,Day 7 20/04/2018PracticalsWeek 17Image: State Stat	07/04/2018	
Week 15,Day 1 09/04/2018PracticalsWeek 15,Day 2 10/04/2018PracticalsWeek 15,Day 3 11/04/2018PracticalsWeek 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 13/04/2018Baisakhi ,Ambedkar jayantiWeek 15,Day 7 14/04/2018PracticalsWeek 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 19/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 20/2018PracticalsWeek 16,Day 7 20/2018PracticalsWeek 16,Day 6 20/2018PracticalsWeek 16,Day 6 20/04/2018PracticalsWeek 16,Day 6 20/04/2018PracticalsWeek 16,Day 7 20/04/2018Practicals	Week 15	
Week 15,Day 1 09/04/2018PracticalsWeek 15,Day 2 10/04/2018PracticalsWeek 15,Day 3 11/04/2018PracticalsWeek 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 19/04/2018PracticalsWeek 16,Day 3 19/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 8 19/04/2018PracticalsWeek 16,Day 9 19/04/2018PracticalsWeek 16,Day 6 10/04/2018PracticalsWeek 17Week 17		
09/04/2018PracticalsWeek 15,Day 2 10/04/2018Practicals11/04/2018Practicals11/04/2018PracticalsWeek 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 19/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 8 19/04/2018PracticalsWeek 16,Day 9 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 8 19/04/2018PracticalsWeek 16,Day 9 10/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 10/04/2018PracticalsWeek 16,Day 6 10/04/2018PracticalsWeek 17Image: Description of the process of the p	Week 15,Day 1	Practicals
Week 15,Day 2 10/04/2018PracticalsWeek 15,Day 3 11/04/2018PracticalsWeek 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 17/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 19/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 6 19/04/2018PracticalsWeek 16,Day 7 19/04/2018PracticalsWeek 16,Day 8 19/04/2018PracticalsWeek 16,Day 9 19/04/2018PracticalsWeek 16,Day 6 20/04/2018PracticalsWeek 16,Day 7 20/04/2018PracticalsWeek 17Lange 6Week 17Lange 7	09/04/2018	
10/04/2018Week 15,Day 3Practicals11/04/2018PracticalsWeek 15,Day 4Practicals12/04/2018PracticalsWeek 15,Day 5Practicals13/04/2018Baisakhi ,Ambedkar jayantiWeek 15,Day 6Baisakhi ,Ambedkar jayantiWeek 16,Day 1Practicals16/04/2018PracticalsWeek 16,Day 2Practicals17/04/2018PracticalsWeek 16,Day 3Practicals18/04/2018PracticalsWeek 16,Day 4Practicals19/04/2018PracticalsWeek 16,Day 5PracticalsWeek 16,Day 6Practicals20/04/2018PracticalsWeek 17Image: State Sta	Week 15,Day 2	Practicals
Week 15,Day 5PracticalsWeek 15,Day 4Practicals12/04/2018PracticalsWeek 15,Day 5Practicals13/04/2018Baisakhi ,Ambedkar jayantiWeek 16,Day 6Baisakhi ,Ambedkar jayantiWeek 16,Day 1Practicals16/04/2018PracticalsWeek 16,Day 2PracticalsWeek 16,Day 3Practicals18/04/2018PracticalsWeek 16,Day 4Practicals19/04/2018PracticalsWeek 16,Day 5Practicals19/04/2018PracticalsWeek 16,Day 6PracticalsWeek 17Practicals	10/04/2018 Week 15 Day 3	Practicals
Week 15,Day 4 12/04/2018PracticalsWeek 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16Week 16Week 16,Day 1 	11/04/2018	
12/04/2018Week 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16Week 16Week 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals	Week 15, Day 4	Practicals
Week 15,Day 5 13/04/2018PracticalsWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16Week 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals	12/04/2018	
Isolow 2018Baisakhi ,Ambedkar jayantiWeek 15,Day 6 14/04/2018Baisakhi ,Ambedkar jayantiWeek 16Week 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals	Week 15, Day 5	Practicals
14/04/2018Internal processing by theWeek 16	Week 15.Day 6	Baisakhi Ambedkar jayanti
Week 16Practicals16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals	14/04/2018	
Week 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals	Week 16	
Week 16,Day 1 16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals		
16/04/2018PracticalsWeek 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018PracticalsWeek 17Image: State of the state of t	Week 16,Day 1	Practicals
Week 16,Day 2 17/04/2018PracticalsWeek 16,Day 3 18/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals	16/04/2018	
17/04/2018PracticalsWeek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018Practicals	Week 16,Day 2	Practicals
Neek 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018PracticalsWeek 17Image: State of the state	Week 16 Day 3	Practicals
Week 16,Day 4 19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018PracticalsWeek 17Image: Comparison of the second se	18/04/2018	
19/04/2018PracticalsWeek 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018PracticalsWeek 17Image: Comparison of the second	Week 16,Day 4	Practicals
Week 16,Day 5 20/04/2018PracticalsWeek 16,Day 6 21/04/2018PracticalsWeek 17Image: Constraint of the second seco	19/04/2018	
Week 16,Day 6 Practicals 21/04/2018 Week 17	Week 16, Day 5	Practicals
21/04/2018 Week 17	Week 16,Day 6	Practicals
Week 17	21/04/2018	
	Week 17	

Week 17, Day 1	Practicals
21/04/2018	
Week 17, Day 2	Practicals
23/04/2018	
Week 17, Day 3	Revision of Syllabus
24/04/2018	
Week 17, Day 4	Revision of Syllabus
25/04/2018	
Week 17, Day 5	Revision of Syllabus
26/04/2018	
Week 18	
Week 18,Day 1	Revision of Syllabus
27/04/2018	
Week 18, Day 2	Revision of Syllabus
28/04/2018	

Lesson Plan

Name Of Assistant Professor: Mrs. Shweta Dhawan

Class And Section: BSc. / BA III

Subject Lesson Plan: 17 Weeks (From January 2018 To April 2018)

Week 1	VECTOR SPACE
Week 1,Day 1	Definition Of Vector Space, Internal And External Binary Operations, Vectors In IR ⁿ ,
01/01/2018	Examples Of Vector Space
Week 1,Day 2	Examples Of Vector Space Continued
02/01/2018	
Week 1, Day 3	Properties Of Vector Space, Subspaces, Theorems Of Vector Subspace
03/01/2018	
Week 1,Day 4	Theorems Continued
04/01/2018	
Week 1,Day 5	Holiday Guru Gobind Singh Birthday
05/01/2018	
Week 1,Day 6	Examples Of Subspaces
06/01/2018	
Week 2	SUB SPACE OF A VECTOR SPACE
Week 2, Day 1	Linear Sum Of Subspaces, Theorem On Linear Sum, Subspace Generated By A Set
08/01/2018	
Week 2,Day 2	Direct Sum Of Subspaces, Disjoint Subspaces, Examples Based On Direct Sum And
09/01/2018	Disjoint Subspace
Week 2, Day 3	Revision Of Vector Space & Subspaces
10/01/2018	
Week 2, Day 4	Basis And Dimension; Linear Combination Of Vectors, Linear Dependence And
11/01/2018	Independence Of Vectors, Theorems Based On Linear Dependence And Independence
	Of Vectors.
Week 2,Day 5	Theorems Continued & Examples
12/01/2018	
Week 2,Day 6	Lohri Celebration
13/01/2018	
Week 3	BASIS AND DIMENSION
Week 3, Day 1	Spanning Sets, Linear Span, Finitely Generated Vector Spaces
15/01/2018	
Week 3, Day 2	Theorems On Smallest Subspaces Of A Vector Spaces, Examples Based On Linear Span
16/01/2018	
Week 3, Day 3	Basis Of A Vector Space, Ordered Basis
17/01/2018	
Week 3, Day 4	Existence Theorem And Theorems On Basis And Dimension
18/01/2018	
Week 3, Day 5	Maximal Linearly Independent Set, Minimal Generating Set
19/01/2018	

Week 3,Day 6	Dimensions Of A Vector Space, Extension Theorem
20/01/2018	
Week 4	COMPLEMENTARY SUBSPACE
Week 4.Day 1	Examples Based On Above Topics
22/01/2018	
Week 4, Day 2	Identical Spaces, Theorem (Dimension Of Linear Sum)
23/01/2018	
Week 4, Day 3	Dimension Of Direct Sum, Complementary Subspace
24/01/2018	
Week 4, Day 4	Examples Based On Complementary Subspace.
25/01/2018	Derecht's Dere
26/01/2018	Republic Day
Week 4,Day 6	Group Discussions On Topic Basis And Dimension
27/01/2018	
Week 5	QUOTIENT SPACE
Week 5 Day 1	Dimension Of Quotient Space And Its' Theorems
29/01/2018	Dimension of Quotient Space And its Theorems
Week 5.Day 2	Examples On Ouotient Space
30/01/2018	
Week 5, Day 3	Ravidas Jayanti
31/01/2018	
Week 5,Day 4	Linear Transformation; Vector Space Homomorphism, Properties Of Linear
01/02/2018	Transformation
Week 5, Day 5 02/02/2018	Examples Based On Linear Transformation
Week 5 Day 6	Vector Space Isomorphism Equality Of Two Linear Transformation Theorems Based
03/02/2018	On Linear Transformation
Week 6	RANK AND NULLITY
Week 6, Day 1	Some Examples On Vector Space Isomorphism
05/02/2018 Week 6 Day 2	To Find Linear Transformation T And Pavision
06/02/2018	To Find Emeal Transformation I And Revision
Week 6.Day 3	Test Of Basis And Dimension
07/02/2018	
Week 6,Day 4	Rank And Nullity; Introduction Of Null Spaces Or Kernel Of A Linear Transformation,
08/02/2018	Range Or Image Of A Linear Transformation, Theorems Based On Null Space And
	Range Space
West (D. 7	
week $6, Day 5$	Fundamental Theorem OF Vector Space Homomorphism, Rank And Nullity Of A Linear
Week 6 Day 6	Maharishi Davanand Ivanti
10/02/2018	

Week 7	LINEAR TRANSFORMATION
Week 7,Day 1	Sylvester's Law, Examples Based On Rank And Nullity
12/02/2018	
Week 7, Day 2	Maha Shivratri
13/02/2018	
Week 7, Day 3	Algebra Of Linear Transformation; Sum Of Linear Transformation, Compositon Of
14/02/2018	Two Linear Transformation, Theorems Based On Composition Of Two Linear
	Transformation.
Week 7,Day 4	Examples Based On Composition Of Two Linear Transformation
15/02/2018	
Week 7,Day 5	Singular And Non-Singular Transformation
16/02/2018	
Week 7,Day 6	Theorems On Singular And Non-Singular Transformations
17/02/2018	
Week 8	MATRIX OF A LINEAR TRANSFORMATION
Week 8,Day 1	Examples Based On Singular And Non-Singular Transformations, Invertible Linear
Week 8 Day 2	Theorems And Examples Based On Invertible Linear Transformation
20/02/2018	Theorems Find Examples Bused on invertible Eniour Transformation.
Week 8, Day 3	Matrix Of A Linear Transformation; Introduction Of Co-Ordinate Vector, Matrix Of A
21/02/2018	Linear Transformation, Relative To Ordered Basis, Matrix Of Linear Transformation
	With Respect To The Standard Basis
Week 8,Day 4	Matrices Of Identity And Zero Transformations
22/02/2018	
Week 8, Day 5	Examples Of Matrix Of A Linear Transformation Relative To Ordered Basis
Week 8 Day 6	Change Of Basis And Examples Related To The Topic
24/02/2018	
Week 9	DUAL SPACE
Week 9,Day 1	Introduction Vector Space Of All Linear Transformation, Theorems On Dual Space
26/02/2018	
Week 9,Day 2	Examples Of Dual Basis
Week 9.Dav 3	Theorems On Bi-Dual Or Double Dual Of A Vector Space. Annihilator
28/02/2018	Theorems on Di Daal of Douote Daal of H (color space, Thinking)
Week 9, Day (4-6)	Holidays
(01/03/2018-	
03/03/2018)	
week 10	EIGEN VALUES AND EIGEN VECTORS
Week 10,Day 1	Theorems On Annihilator, Annihilator Of An Annihilator
05/03/2018	
Week 10,Day 2	Examples On Annihilator

06/03/2018	
Week 10,Day 3 07/03/2018	Eigen Values And Eigen Vectors; Introduction Of Eigen Values And Eigen Vectors Of A Linear Transformation, Eigen Space Characteristics Polynomial Of Linear Transformation.
Week 10,Day 4 08/03/2018	Theorems On Eigen Values
Week 10, Day 5 09/03/2018	Examples On Eigen Vectors And Eigen Values
Week 10,Day 6 10/03/2018	Similar Matrices, Characteristics Of Polynomial, Some Theorems On Eigen Values, Eigen Vector
Week 11	DIAGONALISATION, CHARACTERISTIC POLYNOMIAL AND MINIMAL POLYNOMIAL
Week 11, Day 1 12/03/2018	Diagonalization, Diagonizable Matrix, Example On Diagonal Matrix
Week 11, Day 2 13/03/2018	Test On Linear Transformation And Rank & Nullity
Week 11, Day 3 14/03/2018	Minimal Polynomial; Relation Between Characteristic Polynomial And Minimal Polynomial
Week 11,Day 4 15/03/2018	Find Characteristic Polynomial And Minimal Polynomial For Transformation
Week 11,Day 5 16/03/2018	Revision Of Eigen Values And Eigen Vectors, Revision Of Similar Matrices And Characteristic Polynomial
Week 11,Day 6 17/03/2018	Inner Product Spaces; Definition Of Inner Product Spaces, Examples On Inner Product Spaces
Week 12	INNER PRODUCT SPACE
Week 12,Day 1 19/03/2018	Norm Of A Vector, Cauchy Schwarz Inequality
Week 12,Day 2 20/03/2018	Triangle Inequality, Parallelogram Law
Week 12,Day 3 21/03/2018	Some Examples By Using Schwarz Inequality
Week 12,Day 4 22/03/2018	Normed Linear Space, Orthogonal Vector And Orthogonal Complement
Week 12,Day 5 23/03/2018	Some Theorems On Orthogonal Set Of Non-Zero Vectors
Week 12,Day 6 24/03/2018	Orthogonal Complement
Week 13	ORTHOGONAL COMPLEMENT

Week 13,Day 1 26/03/2018	Definition Of Orthogonal Complement And Orthogonal Complement Of Orthogonal Complement
Week 13,Day 2 27/03/2018	Theorems On Orthogonal Complement
Week 13,Day 3 28/03/2018	Examples On Orthogonal Sets
Week 13,Day 4 29/03/2018	Holiday
Week 13,Day 5 30/03/2018	Orthonormal Set, Theorems On Orthonormal Set Of Vectors In An_Inner Product Space
Week 13,Day 6 31/03/2018	Bessel's Inequality, Theorems On Finite Dimension Vector Space
Week 14	GRAM-SCHMIDT ORTHOGANALIZATION PROCESS AND EXAMPLES
Week 14,Day 1 02/04/2018	Gram-Schmidt Orthoganalization Process
Week 14,Day 2 03/04/2018	To Find An Orthonormal Basis Of Vector By Gram-Schmidt Orthoganalization Process
Week 14,Day 3 04/04/2018	Direct Sum Of Sub-Space And Its' Complement
Week 4,Day 4 05/04/2018	Orthogonal Projection And Its' Theorem
Week 14,Day 5 06/04/2018	Revision Of Inner Product Spaces And Norm
Week 14,Day 6 07/04/2018	Revision Of Orthogonal Vector And Orthogonal Complement
Week 15	LINEAR OPERATORS
Week 15,Day 1 09/04/2018	Revision Of Orthonormal Set And Gram-Schmidt Theorem
Week 15,Day 2 10/04/2018	Linear Operators On Inner Product Spaces
Week 15,Day 3 11/04/2018	Introduction Of Adjoint Operator, Self Adjoint Operator, Euclidean Space, Unitary Space
Week 15,Day 4 12/04/2018	Some Important Concepts Of Normal Operator, Positive Operator, Positive Definite Operator, Inner Product Isomorphism.
Week 15,Day 5 13/04/2018	Theorems On Linear Operator
Week 15,Day 6 14/04/2018	Baisakhi , Ambedkar Jayanti
Week 16	Continued LINEAR OPERATORS

Week 16,Day 1 16/04/2018	Theorems On Self Adjoint Operator
Week 16,Day 2 17/04/2018	Theorems On Symmetric And Skew-Symmetric Operator
Week 16,Day 3 18/04/2018	Theorems On Hermition Operators And Unitary
Week 16,Day 4 19/04/2018	Isometric Isomorphism
Week 16,Day 5 20/04/2018	Normal Operator
Week 16,Day 6	Examples Based On Adjoint Operator, Self Adjoint Operator, Symmetric And Skew-
21/04/2018	Symmetric Operator
Week 17	REVISION AND TESTS
Week 17,Day 1 21/04/2018	Theorems Continued
Week 17,Day 2 23/04/2018	Revision Of Adjoint Operator, Self Adjoint Operator, Symmetric And Skew-Symmetric Operator
Week 17,Day 3 24/04/2018	Test On Adjoint Operator, Self Adjoint Operator, Symmetric And Skew-Symmetric Operator
Week 17,Day 4 25/04/2018	Revision Of Hermition Operators And Unitary, Normal Operator
Week 17,Day 5 26/04/2018	Test Of Hermition Operators And Unitary, Normal Operator
Week 17,Day 6 27/04/2018	Group Discussion On The Topic Inner Product Space And Linear Operators

KVA DAV COLLEGE FOR WOMEN, KARNAL

Name of the Assistant / Associate Professor : Ms. Manju Sharma

Class and Section: B.A. /B.Sc.-I

Mathematics Lesson Plan (from January 2018 to April 2018)

Week 1
Chapter : 1
Week 1, day 1, 01/01/2018 Chapter 1: Exact Differential Equations
Definition of Differential Equations ad its types, Geometrical meaning of Differential Equations.
Week 1, day 2, 02/01/2018
Exact Differential Equations and its solution (definition), Related Theorems and examples.
Week 1, day 3, 03/01/2018
Definition of integrating factor and examples based on it.
Week 1, day 4, 04/01/2018
Finding integrating factor by inspection, Exercise and Problems.
Week 1, day 5, 05/01/2018
Guru Govind Singh Jayanti
Week 1, day 6, 06/01/2018
Integrating factor for homogeneous Differential Equations and related examples.
Week 2
Chapter : 1
Week 2, day 1, 08/01/2018
Exercise and Problems.
Week 2, day 2, 09/01/2018
Rules for finding integrating factor for different type of Differential Equations.
Week 2, day 3, 10/01/2018
Examples based on solution of different type of Differential Equations.
Week 2, day 4, 11/01/2018
Exercise and Problems.
Week 2, day 5, 12/01/2018
Solution of Exact Differential Equations in some particular cases and related examples.
Week 2, day 6, 13/01/2018
Exercise and Problems.
Week 3
Chapter : 2
Week 3, day 1, 15/01/2018 Chapter 2: Equations of First Order and Higher Degree
Introduction to Equations of First Order and Higher Degree and related terms.
Week 3, day 2, 16/01/2018
Solution of Differential Equations solvable for p=dy/dx and examples based on it.
Week 3, day 3, 17/01/2018
Equations solvable for x and related examples.
Week 3, day 4, 18/01/2018
Exercise and Problems.
Week 3, day 5, 19/01/2018
Solution of Differential Equations solvable for y and examples based on it.

Week 3, day 6, 20/01/2018
Lagrange's Equation and its solution.
Week 4
Chapter : 2, 3
Week 4, day 1, 22/01/2018
Basant Panchami
Week 4, day 2, 23/01/2018
Exercise and Problems based on Lagrange's equation.
Week 4, day 3, 24/01/2018
Solution of equations reducible to Clairaut's form and related examples.
Week 4, day 4, 25/01/2018
Methods to find singular solution and its examples.
Week 4, day 5, 26/01/2018
Republic Day
Week 4, day 6, 27/01/2018 Chapter :3 Orthogonal Trajectories.
Definition of trajectory and orthogonal trajectory, rules to find it and related examples.
Week 5
Chapter : 3, 4
Week 5, day 1, 29/01/2018
Examples and Exercise of orthogonal trajectory.
Week 5, day 2, 30/01/2018
Orthogonal trajectory in polar coordinates.
Week 5, day 3, 31/01/2018
Guru Ravidas Jayanti
Week 5, day 4, 01/02/2018
Exercise and Problems.
Week F. day F. 02/02/2010 Chanter A. Linear Differential Equations with Constant Coefficients
week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients.
Introduction to Linear Differential Equations, differential operator, related theorem and definition of
Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution.
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it.
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems.
 Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it.
 Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it.
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise .
 Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018
 Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Method to find Particular integral in some special cases.
 Week 3, day 3, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Method to find Particular integral in some special cases. Week 6, day 5, 09/02/2018
 Week 3, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Method to find Particular integral in some special cases. Week 6, day 5, 09/02/2018 Examples and Problems.
 Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Method to find Particular integral in some special cases. Week 6, day 5, 09/02/2018 Examples and Problems. Week 6, day 5, 09/02/2018 Examples and Problems.
 Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Method to find Particular integral in some special cases. Week 6, day 5, 09/02/2018 Examples and Problems. Week 6, day 5, 09/02/2018 Method to find Particular integral in some special cases. Week 6, day 6, 10/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Maharishi Dayanand Saraswati Jayanti
Week 5, 0ay 5, 02/02/2018 Chapter 4: Enlear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Examples and exercise . Week 6, day 5, 09/02/2018 Examples and Problems. Week 6, day 5, 09/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Maharishi Dayanand Saraswati Jayanti
Week 3, 049 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Method to find Particular integral in some special cases. Week 6, day 6, 10/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Method to find Particular integral in some special cases. Week 6, day 6, 10/02/2018 Maharishi Dayanand Saraswati Jayanti Week 7 Chapter : 4
Week 3, 049 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Examples and exercise . Week 6, day 5, 09/02/2018 Examples and Problems. Week 6, day 5, 09/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Examples and Problems. Week 7 Chapter : 4 Week 7 Chapter : 4 Week 7, day 1, 12/02/2018
Week 3, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Examples and Problems. Week 7 Chapter : 4 Week 7 Chapter : 4 Week 7, day 1, 12/02/2018 Rules for finding particular integral in some particular cases.
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Examples and exercise . Week 6, day 5, 09/02/2018 Method to find Particular integral in some special cases. Week 6, day 5, 09/02/2018 Examples and Problems. Week 6, day 6, 10/02/2018 Week 7 Chapter : 4 Week 7 Chapter : 4 Week 7, day 1, 12/02/2018 Rules for finding particular integral in some particular cases. Week 7, day 1, 12/02/2018 Rues for finding particular integral in some particular cases. Week 7, day 2, 13/02/2018
Week 5, day 5, 02/02/2018 Chapter 4: Linear Differential Equations with Constant Coefficients. Introduction to Linear Differential Equations, differential operator, related theorem and definition of complete solution. Week 5, day 6, 03/02/2018 Rules for finding complementary function and examples based on it. Week 6 Chapter : 4 Week 6, day 1, 05/02/2018 Exercise and Problems. Week 6, day 2, 06/02/2018 Rules for finding particular integral and examples based on it. Week 6, day 3, 07/02/2018 Examples and exercise . Week 6, day 4, 08/02/2018 Method to find Particular integral in some special cases. Week 6, day 5, 09/02/2018 Method to find Particular integral in some special cases. Week 7, day 6, 10/02/2018 Maharishi Dayanand Saraswati Jayanti Week 7 Chapter : 4 Week 7, day 1, 12/02/2018 Rules for finding particular integral in some particular cases. Week 7, day 2, 13/02/2018 Muek 7, day 1, 12/02/2018 Rules for finding particular integral in some particular cases. Week 7, day 2, 13/02/2018 Maha Shivaratri

Week 7, day 3, 14/02/2018
Examples based on finding particular integral in some particular cases.
Week 7, day 4, 15/02/2018
Examples Continued.
Week 7, day 5, 16/02/ 2018
Exercise and Problems.
Week 7, day 6, 17/02/2018
Finding complete solution of linear differential equations.
Week 8
Chapter : 4, 5
Week 8, day 1, 19/02/2018
Examples based on complete solution of linear differential equations.
Week 8, day 2, 20/02/2018
Examples Continued and problems.
Week 8, day 3, 21/02/2018 Chapter 5: Homogeneous linear differential equations.
Introduction to Homogeneous linear differential equations and methods to solve them.
Week 8, day 4, 22/02/2018
Examples based on solution of Homogeneous linear differential equations.
Week 8, day 5, 23/02/2018
Examples Continued and problems.
Week 8, day 6, 24/02/2018
Legendre's linear differential equations and related examples.
Week 9
Chapter : 5, 6
Week 9, day 1, 26/02/2018
Exercise and Problems of Legendre's linear differential equations.
Week 9. day 2, 27/02/2018 Chapter 6: Linear differential equations of second order.
Introduction to Linear differential equations of second order.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6 Week 10, day 1, 05/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – 1 Week 9, day 4, 01/03/2018 Vacation – 1 Week 9, day 5, 02/03/2018 Vacation – 1 Week 9, day 6, 03/03/2018 Vacation – 1 Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution. Week 10, day 3, 07/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – 1 Week 9, day 4, 01/03/2018 Vacation – 1 Week 9, day 5, 02/03/2018 Vacation – 1 Week 9, day 6, 03/03/2018 Vacation – 1 Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution. Week 10, day 3, 07/03/2018 Examples continued and Exercise.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution. Week 10, day 3, 07/03/2018 Examples continued and Exercise. Week 10, day 4, 08/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – I Week 9, day 4, 01/03/2018 Vacation – I Week 9, day 5, 02/03/2018 Vacation – I Week 9, day 6, 03/03/2018 Vacation – I Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution. Week 10, day 3, 07/03/2018 Examples continued and Exercise. Week 10, day 4, 08/03/2018 Solution of Linear differential equations by changing the dependent variable.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation - 1 Week 9, day 4, 01/03/2018 Vacation - 1 Week 9, day 5, 02/03/2018 Vacation - 1 Week 9, day 6, 03/03/2018 Vacation - 1 Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution. Week 10, day 3, 07/03/2018 Examples continued and Exercise. Week 10, day 4, 08/03/2018 Solution of Linear differential equations by changing the dependent variable. Week 10, day 5, 09/03/2018
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – 1 Week 9, day 4, 01/03/2018 Vacation – 1 Week 9, day 5, 02/03/2018 Vacation – 1 Week 9, day 6, 03/03/2018 Vacation – 1 Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations by changing the dependent variable. Week 10, day 4, 08/03/2018 Examples for finding solution.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – 1 Week 9, day 4, 01/03/2018 Vacation – 1 Week 9, day 5, 02/03/2018 Vacation – 1 Week 9, day 6, 03/03/2018 Vacation – 1 Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution. Week 10, day 4, 08/03/2018 Examples continued and Exercise. Week 10, day 4, 08/03/2018 Examples for finding solution. Week 10, day 4, 08/03/2018 Examples continued and Exercise. Week 10, day 5, 09/03/2018 Examples for finding solution. Week 10, day 4, 08/03/2018 Examples for finding solution. Week 10, day 4, 08/03/2018 Examples for finding solution. Week 10, day 5, 09/03/2018 Examples for finding solution.
Introduction to Linear differential equations of second order. Week 9, day 3, 28/02/2018 Vacation – 1 Week 9, day 4, 01/03/2018 Vacation – 1 Week 9, day 5, 02/03/2018 Vacation – 1 Week 9, day 6, 03/03/2018 Vacation – 1 Week 10 Chapter : 6 Week 10, day 1, 05/03/2018 Solution of Linear differential equations when an integral in the complementary function is known. Week 10, day 2, 06/03/2018 Examples for finding solution. Week 10, day 3, 07/03/2018 Examples continued and Exercise. Week 10, day 5, 09/03/2018 Examples for finding solution. Week 10, day 4, 08/03/2018 Examples for finding solution. Week 10, day 4, 08/03/2018 Examples for finding solution. Week 10, day 4, 08/03/2018 Examples for finding solution. Week 10, day 6, 09/03/2018 Examples for finding solution. Week 10, day 5, 09/03/2018 Examples for finding solution.

Chapter : 6
Week 11, day 1, 12/03/2018
Exercise and problems.
Week 11, day 2, 13/03/2018
Rules for finding solution by changing the independent variable.
Week 11, day 3, 14/03/2018
Examples for finding solution by changing the independent variable.
Week 11, day 4, 15/03/2018
Examples continued and Exercise.
Week 11, day 5, 16/03/2018
Exercise and problems.
Week 11, day 6, 17/03/2018
Method of variation of parameters.
Week 12
Chapter : 6
Week 12. day 1, 19/03/2018
Examples for finding solution by variation of parameters.
Week 12, day 2, 20/03/2018
Examples continued and Exercise.
Week 12, day 3, 21/03/2018
Exercise and problems.
Week 12 day 4 22/03/2018
Method of undetermined coefficients.
Week 12 day 5 23/03/2018
Examples based on Method of undetermined coefficients.
Week 12 day 6 $24/03/2018$
Examples continued and Exercise
Week 13
Chapter : 6 7
Week 13 day 1 $26/03/2018$
Everyise and problems based on Method of undetermined coefficients
Week 13 day 2 27/03/2018
Problem Discussion
Week 13 day 3 28/03/2018
Conditional Test
Week 13 $d_{2}\sqrt{4}$ 29/03/2018
Mahavir Javanti
Week 13 day 5 20/02/2018 Chapter 7: Ordinary Simultaneous Differential Equations
Finding solution of Ordinary Simultaneous Differential Equations by method of elimination and
related examples
Weak 12 day 6 $21/02/2018$
Every construction and problems
Week 14
Chapter : 7
$\frac{14}{100}$
Finding solution of Ordinary Simultaneous Differential Equations by method of differentiation, and
related examples
Week 14. day 2. 02/04/2018
Examples continued and Exercice
$\frac{1}{2} = \frac{1}{2} = \frac{1}$
week 14, udy 3, U4/U4/2018
Week 14, αaγ 4, 05/04/2018

Methods of solving Simultaneous Differential Equations in some particular cases.
Week 14, day 5, 06/04/2018
Examples based on such methods.
Week 14, day 6, 07/04/2018
Exercise and problems.
Week 15
Chapter : 7, 8
Week 15, day 1, 09/04/2018
Method to find a solution with the help of the another known solution and related examples.
Week 15, day 2, 10/04/2018
Examples continued and Exercise.
Week 15. day 3. 11/04/2018
Exercise and problems.
Week 15, day 4, 12/04/2018 Chapter 8: Total Differential Equations
Introduction to Total Differential Equations and related theorems.
Week 15, day 5, 13/04/2018
Solution of Exact Total Differential Equations and related examples
Week 15 day 6 14/04/2018
Vaisakhi and Dr. B.R. Ambedkar Javanti
Week 16
Chanter : 8
Week 16 day 1 $16/01/2018$
Method to solve Homogeneous Total Differential Equations and related examples
Week 16 day 2 17/04/2018
Evercise and Problems
Week 16 day 3 18/04/2018
Solution of Total Differential Equations by use of Auviliary Equation and examples based on it
Week 16, day 4, 10/04/2018
Exercise and Problems
Week 16 day 5 20/04/2018
Solution of Total Differential Equations by taking one variable as constant and examples based on it
Week 16, day 6, 21/04/2018
Exercise and Problems
Week 17
Week 17
Chapter .
Week 17, day 1, 25/04/2016
Revision.
Week 17, day 2, 24/04/2018
Week 17, day 3, 25/04/2018
Week 17, day 4, 26/04/2018
Week 17, day 5, 27/04/2018
Week 17, day 6, 28/04/2018
Kevision.
Week 18
Chapter :
Week 18, day 1, 30/04/2018
Examinations
Week 18, day 2, 01/05/2018

Examinations
Week 18, day 3, 02/05/2018
Examinations
Week 18, day 4, 03/05/2018
Examinations
Week 18, day 5, 04/05/2018
Examinations
Week 18, day 6, 05/05/2018
Examinations

Lesson Plan

Name of Assistant Professor: Ms. Manju Sharma

Class : B.Sc. III

Paper-Real and Complex Analysis (BM-361)

Subject Lesson Plan: 18 Weeks (From January 2018 to April 2018)

Week 1	Chapter :1,2
W 11D 1	
Week I, Day I	Chapter 1: Jacobians
01/01/2018	Definition of Jacobian, Chain rule for jacobian
Week 1,Day 2	I neorems based on Jacobians and related examples.
02/01/2018 Weels 1 Dess 2	Examina and Duchlama
Week 1,Day 5	Exercise and Problems.
Wook 1 Day 4	Definition of Eurotional dependence and examples based on it
0/01/2018	Definition of Functional dependence and examples based on it.
Week 1 Day 5	Holiday Guru Gobind Singh Birthday
05/01/2018	Tionday Guru Goolind Shigh Dirtiday
Week 1 Day 6	Chanter 2: Beta and Gamma functions
06/01/2018	Definition of Beta function. Properties of Beta function. Another form of Beta function.
Week 2	Chapter :2
Week 2, Day 1	Examples based on Beta function.
08/01/2018	
Week 2,Day 2	Exercise and Problems.
09/01/2018	
Week 2, Day 3	Definition of Gamma function, Recurrence formula for Gamma function, Relation
10/01/2018	between Beta and Gamma function.
Week 2,Day 4	Related examples.
11/01/2018	
Week 2, Day 5	Duplication formula, Related results
12/01/2018	
Week 2,Day 6	Lohri Celebration
13/01/2018	
Week 3	Chapter :2,3
Week 2 Dev 1	Examples based on Duplication formula
15/01/2018	
Week 3 Day 2	Exercise and Problems
16/01/2018	
Week 3 Day 3	Chanter ·3 Double and Triple integral
17/01/2018	Definition of double integral Evaluation of double integral Related examples
Week 3.Day 4	Examples continue
18/01/2018	F CONVINC
Week 3.Dav 5	Substitution method for double integral and related examples.
19/01/2018	F
Week 3, Day 6	Exercise and Problems.
20/01/2018	

Week 1	Chanter : 3
WCCK 4	
Week 4 Day 1	Triple Integral and related examples
22/01/2018	The integral and related examples
Week 4, Day 2	Substitution method for triple integral and related examples.
23/01/2018	
Week 4, Day 3	Exercise and Problems.
24/01/2018	
Week 4, Day 4	Application of double and triple integral for finding area and volume of surfaces.
25/01/2018 Week 4 Day 5	Pelated examples
26/01/2018	Related examples.
Week 4,Day 6	Dirchlet's integral, Liouvill's extension of Dirchlet's integral.
27/01/2018	
Week 5	Chapter :3,4
Week 5 Day 1	Related examples
29/01/2018	Related examples.
Week 5,Day 2	Exercise and Problems.
30/01/2018	
Week 5, Day 3	Change of order of integration, Related examples.
31/01/2018	
Week 5, Day 4	Continue
01/02/2018 Week 5 Day 5	Everaise and Problems
02/02/2018	
Week 5,Day 6	Chapter:4 Fourier Series
03/02/2018	Def. of Even functions, Odd functions, Periodic functions, Trignometric series, some
	results on integrals, Piecewise monotonic functions.
Week 6	Chapter:4
Week 6.Day 1	Def. of Fourier Series, Euler's formulae
05/02/2018	
Week 6,Day 2	Fourier Series for even and odd functions, Dirchlet's integral.
06/02/2018	
Week 6, Day 3	Related theorems.
0//02/2018	Equiparties expansion of misservice monotonic continuous functions
08/02/2018	Fourier expansion of piecewise monotonic continuous functions
Week 6.Day 5	Related examples
09/02/2018	
Week 6,Day 6	Exercise and Problems.
10/02/2018	
Week 7	Chapter:4
Week 7 Day 1	Fourier expansion of functions having points of discontinuity and related examples
meen /,Day 1	round expansion of functions having points of discontinuity and related examples

12/02/2018	
Week 7, Day 2	Maha Shivratri
13/02/2018	
Week 7.Day 3	Continue
14/02/2018	
Week 7.Day 4	Exercise and Problems
15/02/2018	
Week 7 Day 5	Change of interval and examples based on it
16/02/2018	
10,02,2010	
Week 7 Day 6	Continue
17/02/2018	
Week 8	Chanter: 4 5
WEEK 0	
Week 8 Day 1	Sine Series Cosine Series Related examples
10/02/2018	Sine Series, Cosine Series, Related examples.
Week 8 Day 2	Continue
20/02/2018	Continue
Week 8 Day 3	Parcaval's identity for Fourier Series, Related examples
21/02/2018	raisevar sidentity for Fourier Series, Related examples.
Week 8 Dev 4	Exercise and Broblems
week 0,Day 4	Exercise and Froblems.
22/02/2018 Week 8 Dev 5	Chanters 5 Coloring of Complex Exactions
week 8,Day 5	Chapter: 5 Calculus of Complex Functions
23/02/2018 Weels 9 Dec 6	Deleted exemples
week 8,Day 0	Related examples.
24/02/2018	
week 9	Chapter:5
W1-0 D 1	Energine and Dashlana
week 9,Day 1	Exercise and Problems.
26/02/2018	
week 9,Day 2	Limit of a complex function, Examples based on it, Continuity of complex function.
27/02/2018	
Week 9, Day 3	Uniform Continuity, Diffreentiability of complex function and related examples.
$\frac{28}{02}$	
week 9,Day (4-6)	Holidays
(01/03/2018-02/02/2018)	
$\frac{05/05/2018}{W_{col}}$	Chanter 5
week 10	Chapter:5
W1- 10 D 1	Dele of differentiation and related ensurable. Commutation restation of the device time
week 10,Day 1	Rule of differentiation and related examples. Geometric interpretation of the derivative.
05/05/2018	
Week 10, Day 2	Exercise and Problems.
U0/U3/2018	
week 10,Day 3	Definition of Analytic Function. Cauchy-Riemann equations.
0//03/2018	
Week 10, Day 4	Examples based on it
08/03/2018	
Week 10, Day 5	Sufficient conditions for $f(z)$ to be analytic.
09/03/2018	
Week 10, Day 6	C-R equations in polar form related theorems and examples.

10/03/2018	
Week 11	Chapter:5
Week 11, Day 1 12/03/2018	Def. of Orthogonal system, Harmonic functions and examples
Week 11, Day 2 13/03/2018	Continue
Week 11, Day 3 14/03/2018	Construction of an Analytic Function Milne's Thomson's method and examples based on it
Week 11,Day 4 15/03/2018	Exact Differential Method and related examples.
Week 11,Day 5 16/03/2018	Continue
Week 11,Day 6 17/03/2018	Continue
Week 12	Chapter:5,6
Week 12,Day 1 19/03/2018	Application of Analytic Functions to field and flow problems.
Week 12,Day 2 20/03/2018	Continue
Week 12,Day 3 21/03/2018	Exercise and Problems
Week 12,Day 4 22/03/2018	Chapter:6 Elementary functions and Mobius Transformation Mapping by elementary functions, Some elementary mappings. Translation and related examples.
Week 12,Day 5 23/03/2018	Rotation, Magnification and examples based on it
Week 12,Day 6 24/03/2018	Rotation and Magnification and examples based on it
Week 13	Chapter:6
Week 13,Day 1 26/03/2018	Continue
Week 13,Day 2 27/03/2018	Exercise and Problems
Week 13,Day 3 28/03/2018	Sessional
Week 13,Day 4 29/03/2018	Holiday

Week 13, Day 5	Conformal Mapping, Theorems based on it
30/03/2018	
Week 13, Day 6	Def. of Coefficient of Magnification and Angle of rotation and examples based on it,
31/03/2018	Linear Transformation, Bilinear Transformation
Week 14	Chanter:6
Week 14 Day 1	Def. of Critical Points and Fixed Points. Theorems
02/04/2018	Der of endeur fonds und Fixed fonds, filosonis
Week 14 Day 2	Nature of Mobius Transformation, Examples and theorems based on Mobius
03/04/2018	Transformation
Weels 14 Ders 2	Continue
week 14,Day 3	Continue
04/04/2018	
Week 4, Day 4	Def. of Cross Ratio, Inverse points and theorems.
05/04/2018	
Week 14,Day 5	Continue
06/04/2018	
Week 14,Day 6	Related Examples
07/04/2018	
Week 15	Chapter:6,7
Week 15, Day 1	Continue
09/04/2018	
Week 15.Day 2	Exercise and Problems
10/04/2018	
Week 15.Day 3	Chapter :7 Critical Mappings
11/04/2018	Exponential Transformation, Logarithmic Transformation,
Week 15.Day 4	Trignometric Transformation
12/04/2018	
Week 15 Day 5	Continue
13/04/2018	
Week 15 Day 6	Baisakhi Ambedkar jayanti
14/04/2018	Dalsakii , Ainocakai Jayanti
Week 16	Chanter:7
WEEK IU	
Week 16 Day 1	Linear Fractional Transformation
16/04/2018	
Wook 16 Day 2	Palatad axamplas
week 10,Day 2	Related examples
1//04/2018	
week 16, Day 3	Continue
18/04/2018	
Week 16,Day 4	Continue
19/04/2018	
Week 16,Day 5	Some more mappings
20/04/2018	
Week 16,Day 6	Exercise and Problems
21/04/2018	

Week 17	
Week 17, Day 1	Revision
21/04/2018	
Week 17, Day 2	Revision
23/04/2018	
Week 17, Day 3	Revision
24/04/2018	
Week 17, Day 4	Revision
25/04/2018	
Week 17, Day 5	Revision
26/04/2018	
Week 17, Day 6	Revision
27/04/2018	